ABSTRACT OF THE DISCLOSURE

A power circuit is provided which is capable of lengthening use time of a battery in a portable communication terminal of a TDMA (Time Division Multiple Access) or TDD (Time Division Duplex) type portable communication devices, and of making them compact and lightweight. Since, by using a control circuit, an output current having been limited to become a pre-set current value is supplied from the battery to a transmission power amplifier and an electrical double layer capacitor is charged so that power is accumulated therein and since power is applied from the electrical double layer capacitor to both the control circuit and the transmission power amplifier, even if power consumption of the transmission power amplifier increases during a burst period, a drop of the output voltage from the battery is small. Therefore, time required for the output voltage to reach a terminating voltage in the battery is made longer and a life of the battery can be lengthened. Also, even if the battery is put under a low-temperature circumstance and its internal resistance increases, shortening of the life of the battery can be avoided.